Special Issue

A Recent Progress in Single Frequency Lasers: Development and Applications

Message from the Guest Editor

Thanks to such characteristics as single-frequency generation, accurate wavelength selection, narrow linewidth, low intensity and frequency noises, and high efficiency, single-frequency fiber lasers (SFFLs) are attractive in many areas, e.g., remote sensing, reflectometry, spectroscopy, and second harmonic generation in visible range. This class of lasers is implemented in many configurations, from compact lasers based on ordered distributed feedback in the form of fiber Bragg gratings with a phase shift, made in active fibers, to multikilometer random lasers based on feedback with natural or artificial Rayleigh reflectors. This Special Issue on "Single-Frequency Fiber Lasers and Their Applications" will welcome fundamental, experimental, and applied cutting-edge research in the form of both regular and review articles, concerning:

- Single-frequency fiber lasers;
- Techniques for characterizing single-frequency radiation;
- Production of special fiber light guides;
- Sensory applications of single-frequency radiation sources;
- Reflectometry.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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